130

## BBA

Molecular Cell Research including Hormone and Neurotransmitter Action

## Vol. 1094, 1991

## **Cumulative Contents**

Regular Section		Subsection	
Regular Papers		Minireview	
Induction of differentiation of human myeloid leukemia HL-60 cells by novel pyrimidine nucleoside analogs  M. Makishima, Y. Honma, M. Hozumi, K.		Intrasteric regulation of protein kinases and phosphatases B.E. Kemp and R.B. Pearson (Australia)	67
Sampi, M. Hattori, I. Ishikawa, H. Ogura, N. Kawahara, T. Kanaiwa and K. Motoyoshi (Japan)	1	Regular Papers	
Production of gelatin-degrading matrix metal- loproteinases ('type IV collagenases') and in- hibitors by articular chondrocytes during their		Differences in phorbol ester-induced decrease of the activity of protein kinase C isozymes in rat hepatocytes	
dedifferentiation by serial subcultures and un- der stimulation by interleukin-1 and tumor necrosis factor $\alpha$		M. Robles-Flores, R. Alcántara-Hernández and J.A. García-Sáinz (Mexico) Phorbol ester, prolactin, and relaxin cause translo-	77
V. Lefebvre, C. Peeters-Joris and G. Vaes (Belgium)  Cation selective channel in fetal alveolar type II	8	cation of protein kinase C from cytosol to membranes in human endometrial cells S.S. Kalbag, M.S. Roginsky, Z. Jelveh and S.	
epithelium  B.A. Orser, M. Bertlik, L. Fedorko and H.  O'Brodovich (Canada)	19	Sulimovici (U.S.A.)  Insulin and phorbol ester stimulate phosphorylation of a 15 000 dalton membrane protein in rat	85
Effects of azumolene on doxorubicin-induced Ca <sup>2+</sup> release from skeletal and cardiac muscle sarcoplasmic reticulum		diaphragm in a similar manner  O. Walaas, R.S. Horn and S.I. Walaas (Norway, U.S.A.)	92
Q. Tian, A.M. Katz and D.H. Kim (U.S.A.) Membrane gangliosides modulate interleukin-2-stimulated T-lymphocyte proliferation F.J. Sharom, A.L.H. Chiu and J.W.K. Chu	27	Effects of steroidal and non-steroidal antiandrogens on the androgen binding properties of the rat ventral prostate androgen receptor  J. Steinsapir, G. Mora and T.G. Muldoon	
(Canada)  Biosynthesis of platelet activating factor and 1-O-acyl analogues by endothelial cells	35	(U.S.A.)  Determination of endogenous levels of cyclic  ADP-ribose in rat tissues	103
K.L. Clay, C. Johnson and G.S. Worthen (U.S.A.) Relationship between total magnesium concentra-	43	T.F. Walseth, R. Aarhus, R.J. Zeleznikar, Jr. and H.C. Lee (U.S.A.)	113
tion and free intracellular magnesium in sheep red blood cells H. Fujise, P. Cruz, N.V. Reo and P.K. Lauf		The antioxidant butylated hydroxytoluene stimu- lates platelet protein kinase C and inhibits sub- sequent protein phosphorylation induced by	
(U.S.A.) Molecular characteristics of cytochrome $b_{558}$ isolated from human granulocytes, monocytes and	51	thrombin M. Ruzzene, A. Donella-Deana, A. Alexandre, M.A. Francesconi and R. Deana (Italy)	121
HL60 and U937 cells differentiated into monocyte/macrophages C. Capeillere-Blandin, A. Masson and B. Des-		The use of phosphopeptides to distinguish be- tween protein phosphatase and acid/alkaline phosphatase activities: opposite specificity to-	
camps-Latscha (France)	55	ward phosphoseryl/phosphothreonyl sub- strates	

(Italy, F.R.G.)

Report		Glucose: a more powerful modulator of fructose	
Corticosteroid effects on lipid lateral diffusion in CEM-C1 and CEM-C7 acute lymphoblastic leukemia cells		2,6-bisphosphate levels than insulin in human hepatocytes  M.P. López, M.J. Gómez-Lechón and J.V. Castell (Spain)	200
C.J. Bulva, J. Printen, G. Melnykovych, L. Cutts, B.G. Barisas and D.A. Roess (U.S.A.)	134	Transforming growth factor beta stimulates the production of the tissue inhibitor of metal-	
Regular Section		loproteinases (TIMP) by human synovial and skin fibroblasts  J.K. Wright, T.E. Cawston and B.L. Hazleman	
Regular Papers		(U.K.)	207
Evidence for coupling of bradykinin receptors to a guanine-nucleotide binding protein to stimulate arachidonate liberation in the osteoblast-like		p34cdc2 phosphorylation sites in histone H1 are dephosphorylated by protein phosphatase 2A <sub>1</sub> M.M. Sola, T. Langan and P. Cohen (U.K., U.S.A.)	211
cell line, MC3T3-E1		Insulin-like action of catecholamines and Ca <sup>2+</sup> to	
F. Yanaga, M. Hirata and T. Koga (Japan) Absolute quantification of <sup>31</sup> P muscle metabolites using NMRS with an internal standard and a high-Q, double-tuned coil	139	stimulate glucose transport and GLUT4 trans- location in perfused rat heart S. Rattigan, G.J. Appleby and M.G. Clark	217
E. De Bisschop, G. Annaert, R. Luypaert, J.		(Australia) Hormonal effects on the sulfhydryl groups associ-	217
Coremans and M. Osteaux (Belgium)	147	ated with intestinal brush border membrane	
Effect of rat plasma high density lipoprotein with or without apolipoprotein E on the cholesterol uptake and on the induction of the cortico-		proteins N. Tolosa de Talamoni, H. Mykkanen, Q. Cai and R.H. Wasserman (U.S.A.)	224
steroid biosynthetic pathway in newborn rat adrenocortical cell cultures  M. Hammami, S. Meunier, G. Maume, P. Gambert and R.F. Maume (France)	152	Cholecystokinin receptor occupation and chole- cystokinin-induced calcium mobilization in the early phase in rat pancreatic acini	
bert and B.F. Maume (France)  Phospholipid metabolism and prostacyclin synthesis in hypoxic myocytes	153	T. Kusui, S. Sato, S. Katsushima, T. Honda, C. Shigeno and J. Konishi (Japan)	231
H. Kawaguchi, M. Shoki, K. Iizuka, H. Sano, Y. Sakata and H. Yasuda (Japan)	161	A guanine nucleotide-binding protein mediates 1,25-dihydroxy-vitamin D-3-dependent rapid stimulation of Ca <sup>2+</sup> uptake in skeletal muscle	
Subsection		A.R. De Boland, M. Flawia, O. Coso and R.	220
Minireview		Boland (Argentina)	238
Molecular basis of signal integration in phosphorylase kinase		Rapid Report	
L.M.G. Heilmeyer, Jr. (F.R.G.)	168	Phorbol ester induces phosphorylation and down- regulation of connexin 43 in WB cells	
Regular Papers		S.Y. Oh, C.G. Grupen and A.W. Murray	
Effect of different steroidogenic stimuli on protein phosphorylation and steroidogenesis in MA-10		(Australia)	243
mouse Leydig tumor cells		Corrigendum	247
L.R. Chaudhary and D.M. Stocco (U.S.A.)	175		
ZK98299, a novel antiprogesterone that does not interact with chicken oviduct progesterone re- ceptor		Regular Section	
V.K. Moudgil, R. Nath, A. Bhakta and M. Nakao		Regular Papers	
(U.S.A.)	185		
Analysis by mRNA levels of the expression of six G protein α-subunit genes in mammalian cells and tissues  J.L.R. Garibay, T. Kozasa, H. Itoh, T. Tsuka-		Activation of intracellular calcium-activated neutral proteinase in erythrocytes and its inhibition by exogenously added inhibitors	
moto M Matsuoka and Y Kaziro (Janan)	193	M. Hayashi, M. Inomata, Y. Saito, H. Ito and S.	240

Deoxyadenosine triphosphate acting as an energy-transferring molecule in adenosine deaminase inhibited human erythrocytes K. Nakashima, H. Nakashima and M. Shimoyama (Japan)  Evidence for the involvement of endogenous thymidine in the density-inhibition of tumorigenic Chinese hamster V79 cells  S. Nakano, T. Koga, I. Ichinose, H. Yamada and	257	<ul> <li>A.K. Kuruvilla, C. Perez, F. Ismail-Beigi and J.N. Loeb (U.S.A.)</li> <li>Priming action of inositol hexakisphosphate (InsP<sub>6</sub>) on the stimulated respiratory burst in human neutrophils</li> <li>P. Eggleton, J. Penhallow and N. Crawford (U.K.)</li> <li>Regulation of type I plasminogen activator inhibitor synthesis by protein kinase C and cAMP in</li> </ul>	300 309
Y. Niho (Japan)	263	bovine aortic endothelial cells	
Evidence for direct coupling of primary agonist- receptor interaction to the exposure of func- tional IIb-IIIa complexes in human blood		S.R. Slivka and D.J. Loskutoff (U.S.A.)  Platelet activation by diacylglycerol or ionomycin is inhibited by nitroprusside	317
platelets. Results from studies with the anti- platelet compound ajoene R. Apitz-Castro, M.K. Jain, F. Bartoli, E.		M.G. Doni, R. Deana, E. Padoin, M. Ruzzene and A. Alexandre (Italy)	323
Ledezma, MC. Ruiz and R. Salas (Venezuela, U.S.A.)	269	Potentiation of the activity of mouse liver-derived HBGF-1-like growth factor by heparin and di- thiothreitol: evidence for the involvement of a	
Changes of lysosomal proteinase activities and their expression in rat cultured keratinocytes during differentiation  H. Tanabe, N. Kumagai, T. Tsukahara, S.		plasma factor  T. Nagasaki and M.A. Lieberman (U.S.A.)  Phytoestrogens: new ligands for rat and human α-fetoprotein	330
Ishiura, E. Kominami, H. Nishina and H. Sugita		B. Garreau, G. Vallette, H. Adlercreutz, K.	
(Japan)	281	Wähälä, T. Mäkelä, C. Benassayag and E.A.	220
Factors influencing variable oxidative hemolysis of inbred mouse erythrocytes		Nunez (France, Finland) Inhibition of depolarisation-induced calcium in-	339
W.C. Kruckeberg (U.S.A.)	288	flux into GH <sub>3</sub> cells by arachidonic acid: the involvement of protein kinase C	
Subsection		D.J. MacEwan, R. Mitchell, F.J. Thomson and	
Minireview		M.S. Johnson (U.K.)  Modulation of the exocytotic reaction of per-	346
The actions of cyclic AMP on biosynthetic processes are mediated indirectly by cyclic		meabilised rat mast cells by ATP, other nucleotides and Mg <sup>2+</sup> T.H.W. Lillie, T.D. Whalley and B.D. Gomperts	
AMP-dependent protein kinase P. Cohen and D.G. Hardie (U.K.)	292	(U.K.)	355
Regular Papers		Cumulative Contents	365
Regulation of glucose transport in Clone 9 cells by			
thyroid hormone		Author Index	368